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Appl. No. 10/541,688
Amdt. Dated February 13, 2008
Reply to Office Action of November 14, 2007

Amendment to the Claims

This listing will replace all prior versions, and listings, of the claims in the application:

Listing of Claims:

Claim 1 (Currently amended): A seal molding material for cell electrolytic solution that is used at an electrode site of a nickel-hydrogen cell, which comprises an EPDM composition comprising 100 parts by weight of a peroxide-crosslinkable EPDM, 10 to 150 parts by weight of a filler which consists of carbon black and 1 to 8 parts by weight of an organic peroxide, wherein a seal molding material made by cross-linking molding the seal molding material shows an energized immersion durability, when immersed in an electrolytic solution energized by a DC current and the surface deterioration state of the cross-linked seal material subjected to the energized immersion is visually observed after a period of time.

Claim 2 (Original): A seal molding material for cell electrolytic solution according to Claim 1, wherein the EPDM has a Mooney viscosity $ML_{1+4}(100^{\circ}\text{C})$ of 25 to 80.

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Claim 3 (Original): A seal molding material for cell electrolytic solution according to Claim 1, wherein the EPDM composition comprises 100 parts by weight of a peroxide-crosslinkable EPDM, 10 to 150 parts by weight of a filler and 1 to 8 parts by weight of an organic peroxide.

Claim 4 (Original): A seal molding material for cell electrolytic solution according to Claim 3, wherein the filler is carbon black.

Claim 5 (Original): A seal molding material for cell electrolytic solution according to Claim 3, wherein not more than 40 parts by weight of hydrocarbon-based oil is further contained.

Claim 6 (Previously presented): A seal material for cell electrolytic solution, made by cross-linking molding of a seal molding material for cell electrolytic solution according to Claim 1, the seal material being used at the electrode site of a nickel-hydrogen cell.

Claim 7 (Original): A seal material for cell electrolytic solution according to Claim 6 for use at the electrode site of a nickel-hydrogen cell using a potassium hydroxide-based electrolytic solution.

Claim 8 (Canceled):

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Claim 9 (Currently amended): A seal material for cell electrolytic solution according to Claim 6, 8, which shows an energized immersion durability when the cross-linked seal material is immersed in against a potassium hydroxide-based electrolytic solution energized by a DC current and the surface deterioration state of the cross-linked seal material subjected to the energized immersion is visually observed after a period of time.

Claim 10 (Previously presented): A seal material for cell electrolytic solution, made by cross-linking molding of a seal molding material for cell electrolytic solution according to Claim 3, the seal material being used at the electrode site of a nickel-hydrogen cell.

Claim 11 (Previously presented): A seal material for cell electrolytic solution, made by cross-linking molding of a seal molding material for cell electrolytic solution according to Claim 5, the seal material being used at the electrode site of a nickel-hydrogen cell.

Claim 12 (Previously presented): A seal material for cell electrolytic solution according to Claim 10 for use at the electrode site of a nickel-hydrogen cell using a potassium hydroxide-based electrolytic solution.

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Claim 13 (Previously presented): A seal material for cell electrolytic solution according to Claim 11 for use at the electrode site of a nickel-hydrogen cell using a potassium hydroxide-based electrolytic solution.

Claim 14 (Previously presented): A seal material for cell electrolytic solution according to Claim 10, which shows an energized immersion durability, when the seal material is immersed in an electrolytic solution energized by a DC current, and the surface deterioration state of the seal material subjected to the energized immersion for a predetermined time is visually observed.

Claim 15 (Previously presented): A seal material for cell electrolytic solution according to Claim 11, which shows an energized immersion durability, when the seal material is immersed in an electrolytic solution energized by a DC current, and the surface deterioration state of the seal material subjected to the energized immersion for a predetermined time is visually observed.

Claim 16 (Previously presented): A seal material for cell electrolytic solution according to Claim 14, which shows an energized immersion durability against a potassium hydroxide-based electrolytic solution.

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Claim 17 (Previously presented): A seal material for cell electrolytic solution according to Claim 15, which shows an energized immersion durability against a potassium hydroxide-based electrolytic solution.